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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,267	06/27/2003	Brian Jones	60001.0244US01/MS300530.1	8319

27488 7590 10/26/2006

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MINNEAPOLIS, MN 55402-0903

EXAMINER

PAULA, CESAR B

ART UNIT PAPER NUMBER

2178

DATE MAILED: 10/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>-Interview Summary</b>	<b>Application No.</b> 10/608,267	<b>Applicant(s)</b> JONES ET AL.	
	<b>Examiner</b> CESAR B. PAULA	<b>Art Unit</b> 2178	

All participants (applicant, applicant's representative, PTO personnel):

- (1) CESAR B. PAULA. (3) \_\_\_\_.
- (2) CARL K. TURK. (4) \_\_\_\_.

Date of Interview: 24 October 2006.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
If Yes, brief description: \_\_\_\_.

Claim(s) discussed: 2-19 and 21-23.

Identification of prior art discussed: N/A.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: DISCUSSED WHETHER PROPOSED CLAIMS OVERCAME 35 USC 101 REJECTIONS. EXAMINER STATED THAT THE PROPOSED AMENDMENT APPEARS TO OVERCOME THE 101 REJECTIONS.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
CESAR PAULA  
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

# PROPOSED RESPONSE TO FINAL ACTION FOR INTERVIEW PURPOSES ONLY

Fax To: Examiner Cesar B. Paula

Fax #: 571 273 4128

Re: Proposed Response to Final Office Action for Application Serial #  
10,608,267

Dear Examiner Paula,

The attached proposed response is being faxed to you for interview purposes only. We  
will call to schedule a quick interview at your convenience.  
Kind Regards,

Carl K. Turk



Merchant & Gould, PC

S/N 10/608,267

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jones, et al. Examiner: Paula, Cesar B.  
Serial No.: 10/608,267 Group Art Unit: 2178  
Filed: June 27, 2003 Docket No.: 60001.0244US01/MS#300530.1  
Title: LEVERAGING MARKUP LANGUAGE DATA FOR SEMANTICALLY  
LABELING TEXT STRINGS AND DATA AND FOR PROVIDING  
ACTIONS BASED ON SEMANTICALLY LABELED TEXT STRINGS AND  
DATA

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop RCE, Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 on \_\_\_\_\_, 2006.

By: \_\_\_\_\_  
Name: Shanda Clemmons

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AFTER FINAL UNDER 35 U.S.C. § 1.116

Dear Madam:

The present communication is in response to the Final Office Action mailed on September 28, 2006. Entry of the following amendments and remarks is respectfully requested as follows:

**Amendments to the Claims** are reflected in the listing of claims which begin on page 2 of this paper..

**Remarks** begin on page 8 of this paper.

Amendments to the Claims

## 1. (Cancelled)

2. (Currently Amended) The method of Claim 3, ~~whereby~~ wherein determining, in the action plug-ins, one or more actions based on the associated markup language data comprises:

for each markup language element of the associated markup language data, parsing a namespace library for equivalent markup language elements;

obtaining one or more actions associated with the equivalent markup language elements for displaying with the plurality of actions received from the plurality of action plug-ins.

3. (Currently Amended) ~~In an electronic system~~ A computer-readable medium which stores a set of instructions which when executed performs a method for creating, editing and/or viewing an electronic document, actions on a string of text or data in the electronic document, the method comprising the steps of:

receiving a text string annotated with markup language data in an action dynamic link library (DLL);

transmitting the text string and the associated markup language data to a plurality of action plug-ins;

determining, in the action plug-ins, one or more actions based on the associated markup language data;

passing the one or more actions to an application program module for displaying the one or more actions in association with the text string;

displaying the one or more actions in association with the text string;

~~whereby~~ wherein for any portion of the text string not annotated with markup language data the method further comprises:

receiving the text string in a recognizer dynamically linked library (DLL);

receiving markup language data associated with the text string in the recognizer dynamically linked library;

parsing the associated markup language data to assist the recognizer DLL to determine one or more labels for the text string; and

transmitting the one or more labels and the associated markup language data to the application program module for passing to the action DLL.

4. (Original) The method of Claim 3, further comprising:

prior to transmitting the one or more labels and the associated markup language data to the application program module for passing to the action (DLL), transmitting the text string, the associated markup language data and the one or more labels back to the recognizer DLL; and

parsing the string of text, the associated markup language data and the one or more labels to determine a one or more labels for the text string not previously determined for the text string.

5. (Currently Amended) The method of Claim 3, wherein the step of parsing the text string to determine one or more labels comprises ~~the steps of~~:

comparing the text string with a plurality of stored text string with an associated stored label to determine a match;

if a the text string matches a stored text string with an associated label, then labeling the text string with the associated stored label of the matched stored text string;

comparing the elements of the markup language data associated with the text string with a plurality of stored markup language elements associated with associated stored labels to determine a match; and

if a one or more markup language elements associated with the text string matches one or more stored markup language elements with associated stored labels, then labeling the text string with the associated stored label of the matched one or more markup language elements.

6. (Cancelled)

7. (Currently Amended) The method of Claim 3, further comprising ~~the step of~~ modifying the content of an electronic document to reflect the one or more labels.

8. (Currently Amended) The method of Claim 7, further comprising ~~the steps of~~:  
causing the application program module to fire an event within an object model of  
the application program module;  
causing software instructions associated with the event to be executed when at  
least one of the plurality of labels is determined.

9. (Currently Amended) The method of Claim 3, further comprising ~~the steps of~~  
examining the content of the electronic document surrounding the text string to aid in ~~the steps of~~  
parsing the text string to determine a plurality of labels.

10. (Currently Amended) The method of Claim 3, ~~whereby~~ wherein the markup  
language is the Extensible Markup Language (XML).

11. (Original) A method for labeling a string of text in an electronic document as the  
electronic document is created in an application program module, the method comprising the  
steps of:

as a string of text having an associated one or more Extensible Markup Language  
(XML) elements is entered into the electronic document, determining whether the string of text  
matches one of a plurality of stored strings;

if so, then designating a label associated with the matched stored string for  
application to the entered string of text;

if the string of text does not match one of a plurality of stored strings, determining  
whether the one or more XML elements associated with the string of text is associated with a  
label for use with the entered string of text; and

if so, then designating a label associated with the one or more XML elements for  
application to the entered string of text.

12. (Original) The method of Claim 11, further comprising:

if a label associated with the matched stored string is designated for application to  
the entered string of text, determining a set of actions associated with the label associated with  
the matched stored string; and



if a label associated with the one or more XML elements is designated for application to the entered string of text, determining a set of actions associated with the label associated with the one or more XML elements.

13. (Original) The method of Claim 12, whereby determining a set of actions associated with the label associated with the one or more XML elements, further comprises:

for each label associated with the one or more XML elements, parsing a namespace library for equivalent markup language elements;

obtaining zero or more actions associated with the equivalent XML elements for combining with the set of actions associated with the label associated with the matched stored string.

14. (Original) The method of Claim 11, further comprising displaying an indication indicating that the label has been found for the string of text.

15. (Original) The method of Claim 13, further comprising the steps of:

determining that a user has selected the string of text; and

in response, displaying the combined set of actions to the user.

16. (Original) The method of Claim 15, further comprising the steps of:

receiving an indication that one of the plurality of actions has been selected; and

in response to receiving an indication that one of the plurality of actions has been selected, then causing the application program module to execute the selected action.

17. (Original) A computer-readable medium having computer-executable instructions for performing the steps received in Claim 16.

18. (Original) The method recited in Claim 16, wherein the application program module executes the selected action by determining whether an action plug-in dynamically linked library assigned to the action is available; and

if so, then receiving instructions from the action dynamically linked library assigned to the selected action.

19. (Original) The method recited in Claim 18, further comprising the steps of:

if an action plug-in dynamic link library is not available, then using a Uniform Resource Locator assigned to the action to navigate to a Web site and download the action plug-in dynamic link library.

20. (Cancelled)

21. (Currently Amended) A system for providing helpful actions on a string of text in an electronic document as the string is entered into the electronic document, the system comprising:

a memory storage; and

a processing unit coupled to the memory storage, wherein the processing unit is configured to execute:

an application program module for creating the electronic document;

an action dynamically linked library connected to the application program module operative to provide one or more actions associated with one or more markup language elements applied to the string of text;

a namespace library associated with the application program module for providing one or more equivalent markup language elements that have been designated as equivalent to the one or more markup language elements applied to the string of text in the electronic document;

at least one recognizer dynamically linked library for providing semantic labeling to one or more portions of the string of text based on the one or more markup language elements applied to the string of text; and

~~whereby~~ wherein the action dynamically linked library is further operative to provide additional one or more actions associated with the one or more equivalent markup language elements.

22. (Original) The system of Claim 21, wherein

the recognizer dynamically linked library is operative

to receive the string of text;

to receive the one or more markup language elements applied to the string of text in the recognizer dynamically linked library;

to transmit the string of text and associated markup language elements to a plurality of recognizer plug-ins;

the plurality of recognizer plug-ins being operative

to parse the string of text to determine a plurality of labels;

to parse the associated markup language elements to assist each of the plurality of recognizer plug-ins to determine a plurality of labels for the string of text;

to transmit the plurality of labels to the recognizer dynamically linked library; and

the recognizer dynamically linked library being further operative to transmit the plurality of labels and the associated markup language data to the application program module.

23. (Currently Amended) The system of Claim 22,

~~whereby~~ wherein recognizer dynamically linked library is further operative prior to transmitting the plurality of labels from the recognizer plug-ins to the recognizer dynamically linked library, to transmit the string of text, the associated markup language elements and the plurality of labels back to the plurality of recognizer plug-ins; and

the plurality of recognizer plug-ins being further operative to parse the string of text, the associated markup language elements and the plurality of labels to determine a plurality of labels for the string of text not previously determined for the string of text.

**Remarks**

In response to the Office Action mailed on September 28, 2006, the Applicants sincerely request reconsideration in view of the above amendments to the claims and the following remarks. The claims as presented are believed to be in allowable condition.

Claims 2-19 and 21-23 are currently pending in the present application. Claims 2-10 and 21-23 are rejected under 35 U.S.C. § 101. Claims 11 - 19 are allowed.

As shown above, Claim 6 has been canceled without prejudice or disclaimer. Claims 2, 3, 5, 7-10, 21, and 23 have been amended. No new matter has been added.

***Allowable Subject Matter***

Claims 11-19 are allowed. Applicants appreciate the allowance of claims 11-19.

***Claim Rejections Under 35 U.S.C. § 101***

In the Final Office Action, the Examiner rejected Claims 2-10 and 21-23 under 35 U.S.C. § 101 as being directed to non-statutory subject matter. Claims 2, 3, 5, 7-10, 21, and 23 have been amended and Applicants respectfully submit that the amendments overcome this rejection and add no new matter.

### Conclusion

Applicants respectfully request that this Amendment After Final be entered by the Examiner, placing the claims in condition for allowance. Applicants respectfully submit that the proposed amendments of the claims do not raise new issues or necessitate the undertaking of any additional search of the art by the Examiner, since all of the elements and their relationships claimed were either earlier claimed or inherent in the claims as examined. Therefore, this Amendment should allow for immediate allowance of all pending claims by the Examiner.

Finally, Applicants respectfully submit that the entry of the Amendment would place the application in better form for appeal, should the Examiner dispute the patentability of the pending claims.

Please grant any extensions of time required to enter this amendment and charge any additional required fees to our Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD

Date: \_\_\_\_\_, 2006

Reg. No. \_\_\_\_\_

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